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FINANCE AND BUSINESS.

GENERAL MARKET REVIEW.

WHEAT RAISING.

HOME INSTRUCTION—BETTER THAN FOREIGN.

A home writer for the *Wabash Plaindealer* discusses the ways of wheat in a way that is worth the attention of Indiana farmers.

Many of the suggestions are of special value and the entire article is evidently the fruit of intelligence, aided by experience.

It is a well-known fact, or at least it is a fact whether well-known or not, that in the early settlement of this country, when the land was new and the soil had not been exhausted by continual cropping, such a thing as "winter killing" or "freezing out" of wheat was rarely if ever known, and it is known that now this "freezing out" is the greatest trouble the wheat grower has to contend with. This is not in consequence of a change of seasons, for then, as now, we had "open winters" with little snow to protect the wheat and March frosts to destroy it.

It is in consequence of the exhaustion of some particular property of the soil by continued tillage, which leaves it in condition to be seriously affected by freezing and thus destroying the wheat plant.

What we need is a remedy for this, and it can be found in the use of clover.

Not by sowing it and then pasturing it to the ground, or mowing it and taking away the whole crop and plowing under only the roots; but by plowing under the full grown crop of clover. Let this be repeated until the soil is so filled and mixed with the clover stalks that it will cease to be "clammy" under the operation of freezing and the object will be accomplished.

It is believed, if this course was pursued continually, our wheat crop would be as sure and the yield as large as of other years. The fact is we are asking too much of our land, and the consequences is we get too little. A different manner of cultivation must be adopted on our clay soils or the growing of wheat may as well be abandoned, and it is important to our farmers that the growing of wheat as of other years. The fact is we are asking too much of our land, and the consequences is we get too little. A different manner of cultivation must be adopted on our clay soils or the growing of wheat may as well be abandoned, and it is important to our farmers that the growing of wheat as of other years.

Will not some of our farmers make the experiment upon the following plan: Take a ten-acre field of the most worn land, and plow under a full growth of clover with ripened seed, sow wheat upon it, and next spring sow clover seed after taking the wheat crop. Let it remain until the next year, then plow under the clover again when the seed is ripe. By this operation you will turn up the seed you have sown under before, which will germinate. Sow wheat again, and after this there will be no more trouble, and you will get as large a crop of wheat on the same old year after year indefinitely, and your ground becoming better and better every year. The clover seed you plow under this year you will plow up next year, and continue a growth of clover as well as wheat. Never use this field as a pasture, never let it be hoed off or except for the purpose of cultivation, and never attempt to raise anything but wheat on this particular field; let it be considered as the wheat field, and never be used for any other purpose, and it will soon become satisfied of the wisdom of the plan. You will most likely find that you thus prevent "freezing out" and that you can grow wheat on the same ground every year and greatly increase the production per acre. If your ground is thoroughly underdrained and subsoiled, it will be all the better, and in many places this will be absolutely necessary to secure the desired results. A word about seed wheat. Sow no wheat but such as is grown on sandy soils, even if you have to go fifty miles to obtain it. Do this every year. Do not sow the wheat of your own raising is good enough. Wheat grown on clay soils should never be sown on clay soils again, it will never deteriorate both in quantity and quality. This is not theory, merely, but has been proven by practice. The writer has knowledge of two experiments in this direction with the same or similar results. In one instance the product from seed grown on sandy soil was at least three times as large as the product from seed grown on clay, and greatly superior in quality. The second year's product from the seed of the first year's crop was diminished nearly one half in quantity and was inferior in quality. The third year's crop could hardly be distinguished either in quantity or quality from the wheat ordinarily grown on clay soils; the other instance occurred in this county, and although the difference was not

so great as in the other case yet it was sufficiently marked to give evidence of the great superiority of obtaining seed grown on sandy soils. There is one thought in connection with seed wheat omitted, it is this: Sow none but clean wheat; let there be no foreign seeds such as cheat or cockle. If there is ever so little of this, it will increase and the ground become "foul," and will become more and more so from year to year. Farmers sometimes say, "My wheat is tolerably clean and I will sow it." This is not so bad when the field is cultivated this year in wheat and next year in corn, for the corn cultivation destroys these pernicious seeds; but when you propose to grow wheat on the same ground for a series of years as above proposed, tolerably clean seed will not do, it must be clean or the experiment will fail.

TOBACCO.

MORE OF THE CROP. Twenty-four counties of Virginia, which in 1870 averaged 1,000,000 pounds of the crop, indicate a crop in 1873 larger by 30 per cent., or \$4,000,000 in the entire state. Ten counties in North Carolina, which produced 9,999,999 pounds of the crop in 1870, indicate a crop in 1873, which will produce nearly the same in 1873. The quality averages very well with that of former crops; some a little better, two below average. In Surry about one-tenth is very fine, "perhaps as fine as any raised in the United States," and the ground below is well adapted. Caswell, long noted for its fine, yellow tobacco, and for producing more than any other county in North Carolina, has a small crop, only 2,000,000. The official returns of tobacco in Maryland market for 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 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